

ABSTRACT

A containers/vehicles inspection system with adjustable radiation X-ray angle relates to the technical field of radiation inspection. The present invention comprises a detector arm rack equipped with detectors, a second collimator, a pulling device, and an accelerator rack with the accelerator. X-ray produced by the accelerator is right opposite to the calibrator, the first collimator and the second collimator all of which are arranged in order, wherein, said accelerator rack is further composed of a horizontal regulation mechanism for moving the base forward and afterward horizontally, a vertical regulation mechanism for moving the bending framework up and down vertically, a rotary regulation mechanism for rotating the cantilever, a pitching regulation mechanism for driving the accelerator to make pinching movement, as well as a framework formed by a base, a vertical arm, a bending framework and a cantilever. Compared with the prior arts, the present invention is advantageous in reasonable structural design, convenient use and high imaging quality, especially satisfactory effect of focused inspection to some suspicious areas. So it is the necessary equipment for inspecting the Customs goods.